FIG. 1

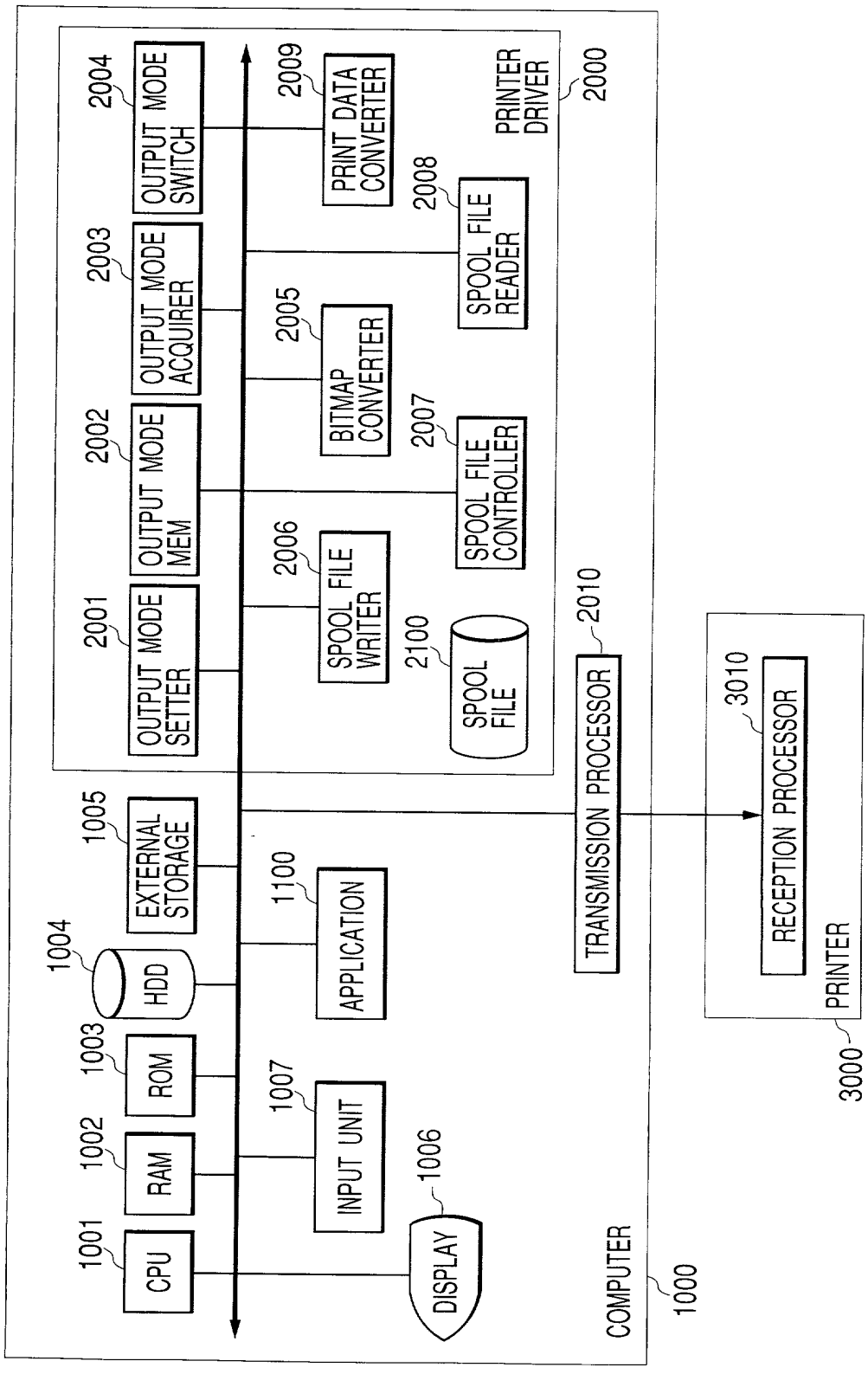

COMPUTER
1000
CPU
1001
RAM
1002
ROM
1003
HDD
1004
EXTERNAL STORAGE
1005
DISPLAY
1006
INPUT UNIT
1007
APPLICATION
1100
PRINTER DRIVER
2000
OUTPUT MODE SETTER
2001
OUTPUT MODE MEM
2002
OUTPUT MODE ACQUIRER
2003
OUTPUT MODE SWITCH
2004
SPOOL FILE WRITER
2006
SPOOL FILE CONTROLLER
2007
SPOOL FILE READER
2008
BITMAP CONVERTER
2005
PRINT DATA CONVERTER
2009
SPOOL FILE
2100
TRANSMISSION PROCESSOR
2010
PRINTER
3000
RECEPTION PROCESSOR
3010

FIG. 2

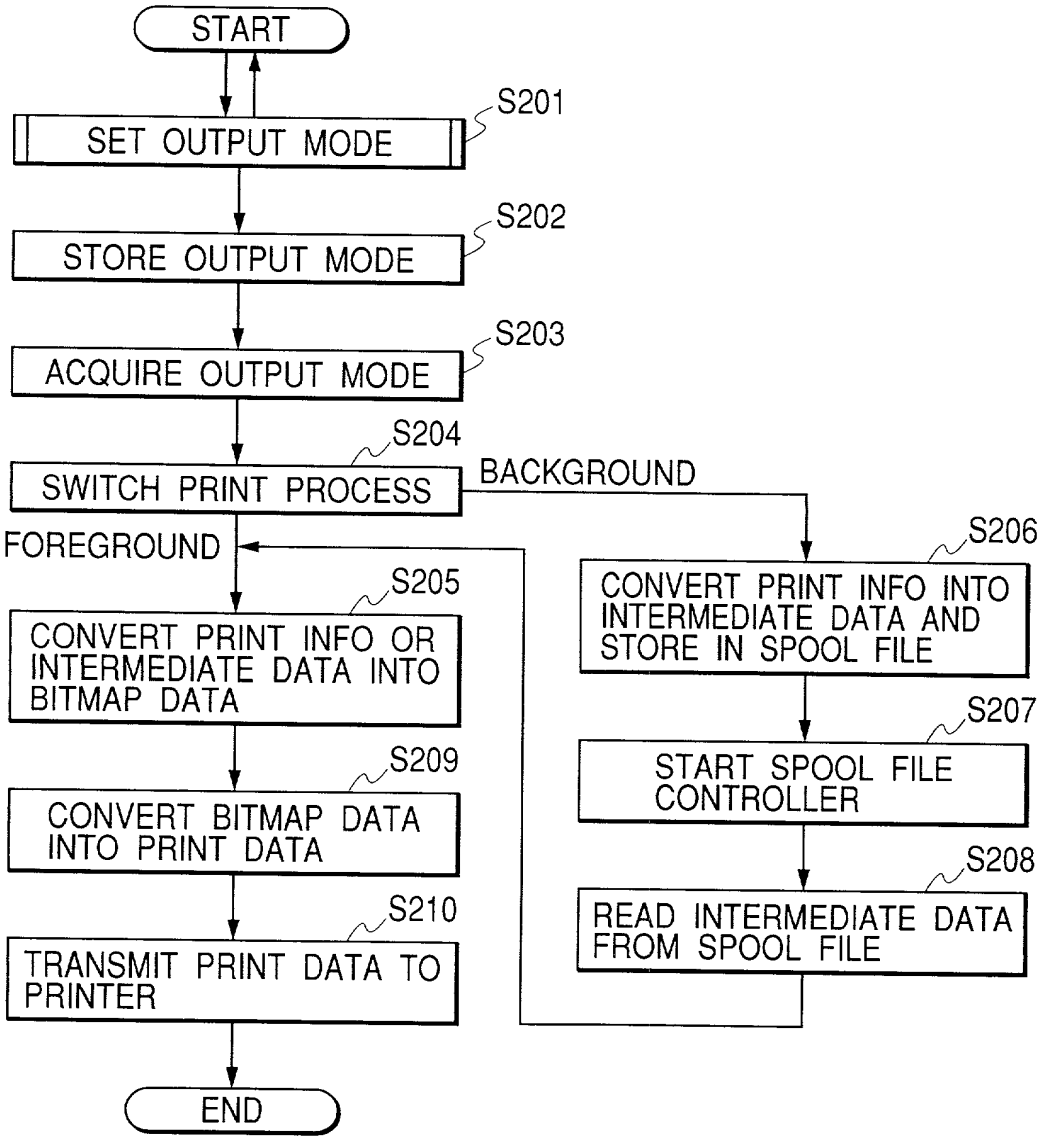

START
SET OUTPUT MODE
S201
STORE OUTPUT MODE
S202
ACQUIRE OUTPUT MODE
S203
SWITCH PRINT PROCESS
S204
BACKGROUND
FOREGROUND
CONVERT PRINT INFO OR INTERMEDIATE DATA INTO BITMAP DATA
S205
CONVERT BITMAP DATA INTO PRINT DATA
S209
TRANSMIT PRINT DATA TO PRINTER
S210
END
CONVERT PRINT INFO INTO INTERMEDIATE DATA AND STORE IN SPOOL FILE
S206
START SPOOL FILE CONTROLLER
S207
READ INTERMEDIATE DATA FROM SPOOL FILE
S208

FIG. 3

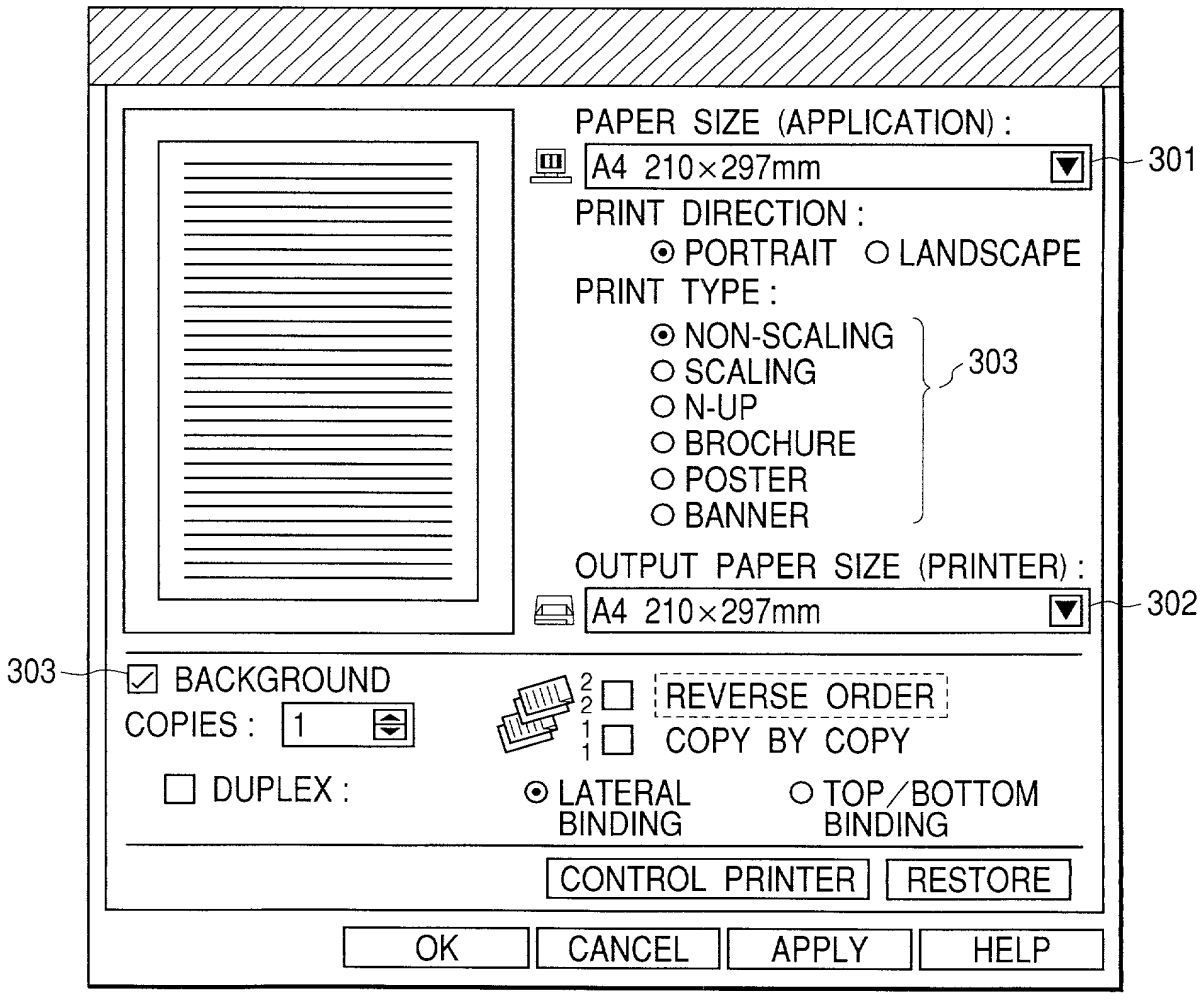

PAPER SIZE (APPLICATION) :
A4 210×297mm
301
PRINT DIRECTION :
PORTRAIT
LANDSCAPE
PRINT TYPE :
NON-SCALING
SCALING
N-UP
BROCHURE
POSTER
BANNER
303
OUTPUT PAPER SIZE (PRINTER) :
A4 210×297mm
302
303
BACKGROUND
COPIES : 1
REVERSE ORDER
COPY BY COPY
DUPLEX :
LATERAL BINDING
TOP/BOTTOM BINDING
CONTROL PRINTER
RESTORE
OK
CANCEL
APPLY
HELP

FIG. 4

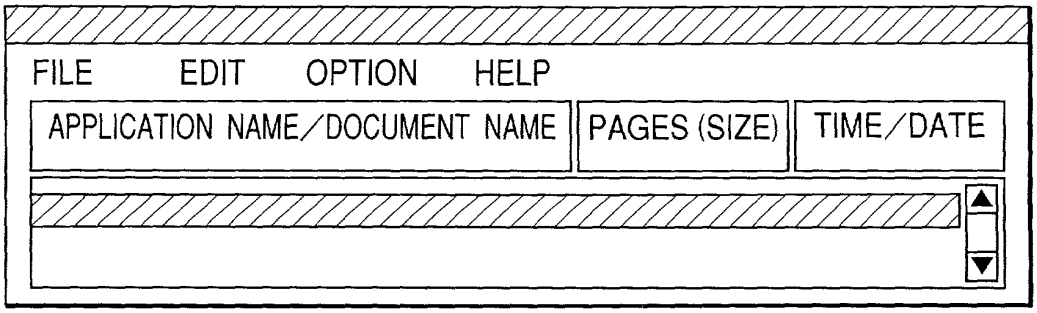

FILE
EDIT
OPTION
HELP
APPLICATION NAME/DOCUMENT NAME
PAGES (SIZE)
TIME/DATE

FIG. 5

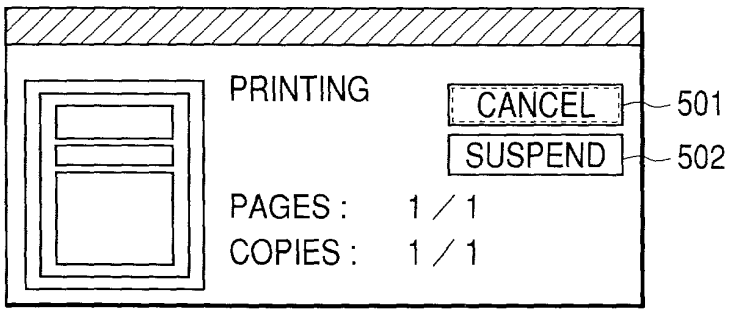

PRINTING
CANCEL
501
SUSPEND
502
PAGES : 1 / 1
COPIES : 1 / 1

FIG. 6

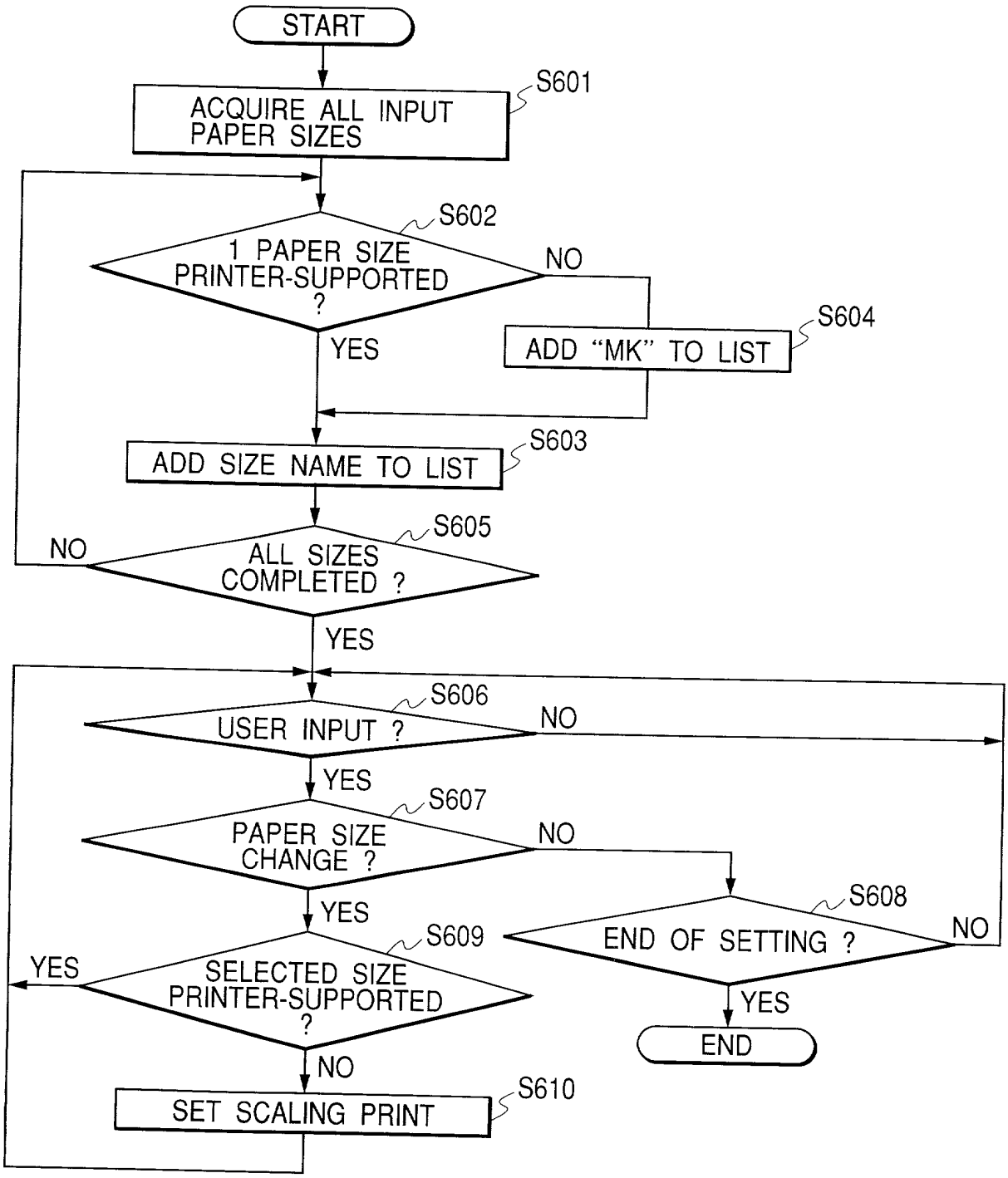

START
ACQUIRE ALL INPUT PAPER SIZES
S601
1 PAPER SIZE PRINTER-SUPPORTED ?
S602
NO
YES
ADD "MK" TO LIST
S604
ADD SIZE NAME TO LIST
S603
ALL SIZES COMPLETED ?
S605
NO
YES
USER INPUT ?
S606
NO
YES
PAPER SIZE CHANGE ?
S607
NO
YES
END OF SETTING ?
S608
NO
YES
SELECTED SIZE PRINTER-SUPPORTED ?
S609
YES
NO
SET SCALING PRINT
S610
END

FIG. 7

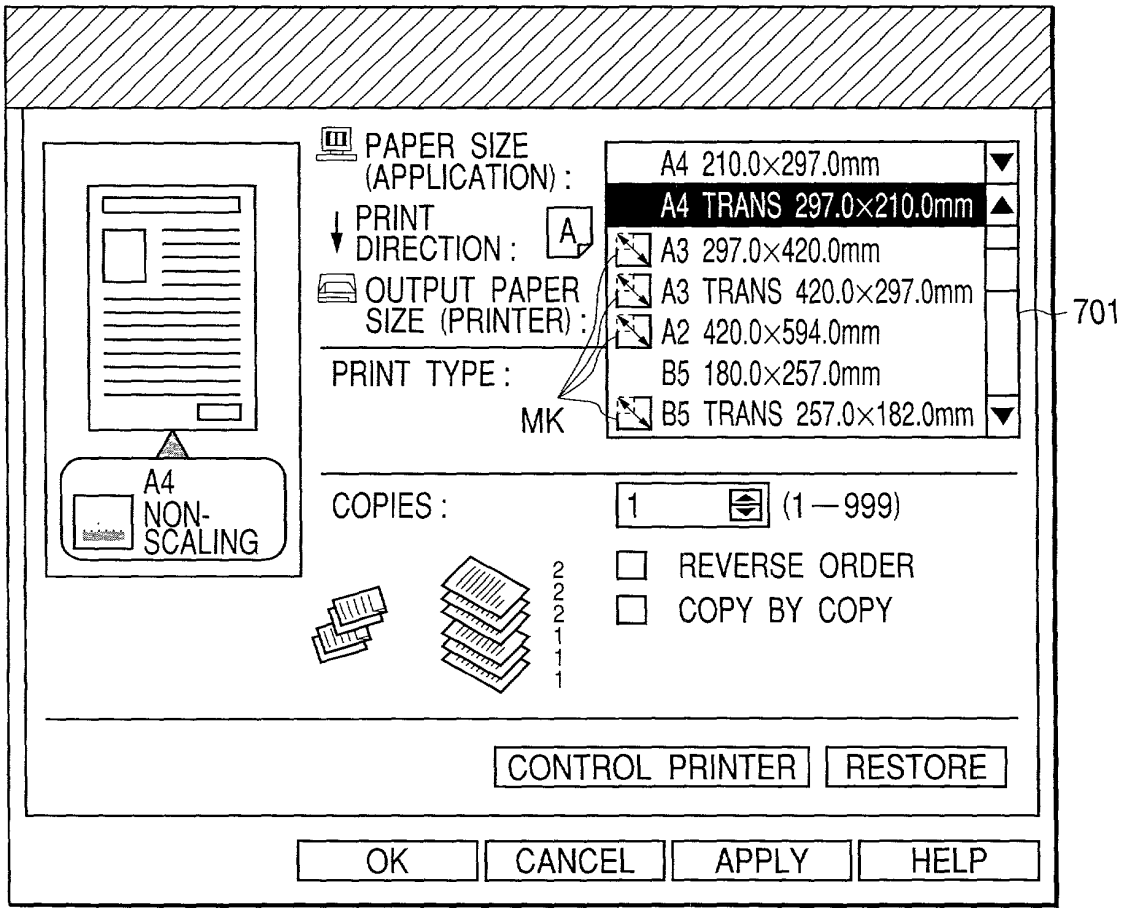
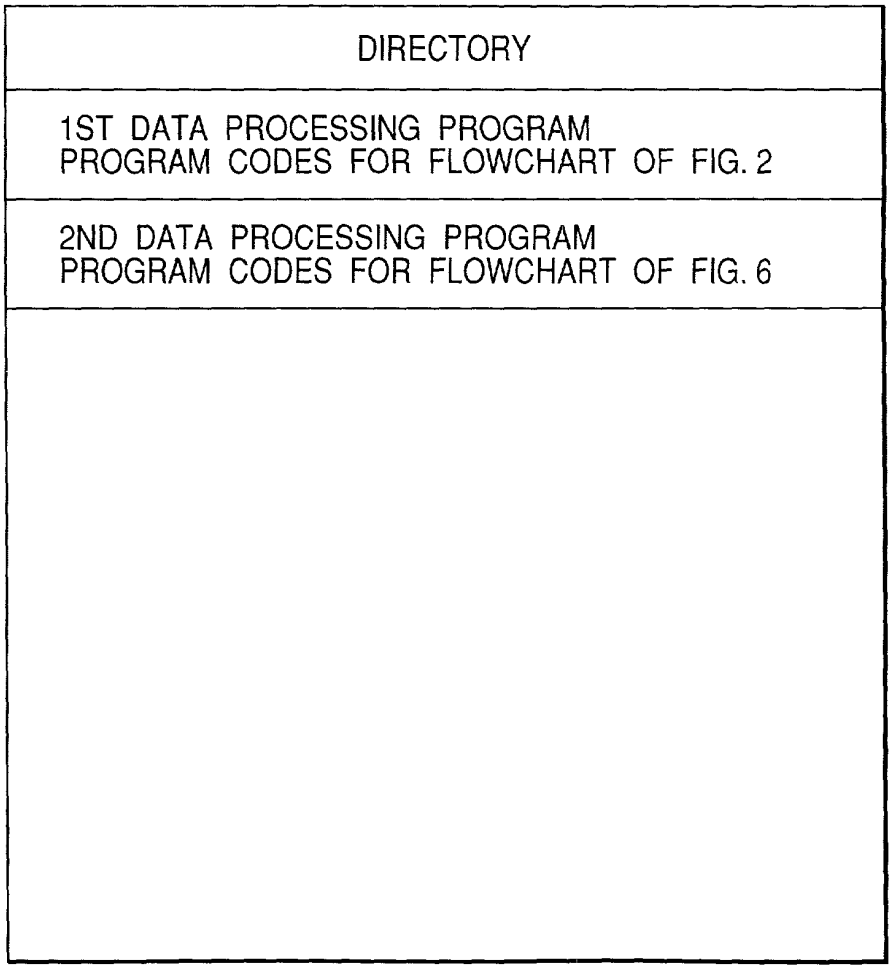

PAPER SIZE (APPLICATION) :
PRINT DIRECTION :
OUTPUT PAPER SIZE (PRINTER) :
PRINT TYPE :
MK
A4 210.0×297.0mm
A4 TRANS 297.0×210.0mm
A3 297.0×420.0mm
A3 TRANS 420.0×297.0mm
A2 420.0×594.0mm
B5 180.0×257.0mm
B5 TRANS 257.0×182.0mm
701
A4 NON-SCALING
COPIES :
1
(1—999)
REVERSE ORDER
COPY BY COPY
2 2 2 1 1 1
CONTROL PRINTER
RESTORE
OK
CANCEL
APPLY
HELP

FIG. 8

MEMORY MAP OF MEM MEDIUM (FD/CD-ROM)